

Moplen EP445L

PP

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	6	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1500	MPa	ISO 527
Yield stress	30	MPa	ISO 527
Yield strain	7	%	ISO 527
Strain at break	>50	%	ISO 527
Charpy notched impact strength, +23°C	8.5	kJ/m ²	ISO 179/1eA
Ball indentation hardness	64	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	100	°C	ISO 75-1/-2
Vicat softening temperature, A	151	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	900	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding, Compression Molding

Additives

Antiblocking agent

Special Characteristics

Anti-static, High impact or impact modified

Features

Blush Resistance/Low Crease Whitening, Nucleated, Copolymer, Impact Copolymer

Chemical Resistance

Environmental Stress Crack Resistance

Applications

Packaging, Sports Equipment

Regional Availability

Europe, Near East/Africa